REMARKS

Claims 1-50 are pending in the present application. In the above amendments, Claims 1, 3, 4, 11, 14, 15, 17, 31-34, 36-38, 40-42, 44-46, 48 and 50 have been amended, and Claims 2, 30 and 47 have been canceled without prejudice. All amendments are fully supported by the original disclosure. No new matter was added.

Applicants thank the Examiner for indicating Claims 11-14, 17, 31, 32, 37, 41 and 45 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claims 11, 14, 17, 31, 32, 37, 41 and 45 have been rewritten in independent form. Claims 12, 13 depend from amended Claim 11 and should also be allowable. Claim 33 depends from amended Claim 32 and should also be allowable.

The 4/21/2005 Office Action rejected Claims 3-10, 36, 40 and 44 under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 3, 36, 40 and 44 have been amended to overcome this rejection by removing the word "processed."

The Office Action rejected Claims 1, 2, 15, 16, 18-30, 33-35, 38, 39, 42, 43 and 46-50 under 35 U.S.C. § 102(a) as being anticipated by Huang et al. (U.S. Patent No. 6,067,292).

Huang does not disclose "accumulating estimated pilot interference due to the plurality of signal instances in a buffer to provide a total pilot interference," as recited in amended Claim 1. Applicants respectfully request allowance of Claim 1 and dependent Claims 3-10, 15, 16, 18-29.

Similarly, Huang does not disclose a "buffer configured to accumulate estimated pilot interference due to the plurality of signal instances to provide a total pilot interference," as recited in Claims 34, 38 and 42. Applicants respectfully request allowance of Claims 34, 38 and 42 and their dependent Claims.

For Claim 46, Huang does not disclose a method comprising:

"receiving a plurality of signals from a plurality of terminals, each received signal comprising a plurality of signal instances, each signal instance comprising a pilot and data;

estimating pilot interference due to all signal instances of all received signals;

accumulating the estimated pilot interference due to all signal instances of all received signals in a buffer to provide a total pilot interference;

subtracting the total pilot interference from one signal instance of one received signal to derive a pilot-canceled signal; and

processing the pilot-canceled signal to derive data."

For this reason, Applicants respectfully request allowance of Claim 46 and its dependent claims.

REQUEST FOR ALLOWANCE

In view of the foregoing, Applicants submit that all pending claims in the application are patentable. Accordingly, reconsideration and allowance of this application are earnestly solicited. Should any issues remain unresolved, the Examiner is encouraged to telephone the undersigned at the number provided below.

Respectfully submitted,

Dated: 7/20/05

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